

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

1. (Currently Amended) An electrical cable comprising
a plurality of longitudinally extending twisted pairs of conductive elements;

at least one corrugated tape member separating at least one of said twisted pairs of conductive elements from an adjacent one of said twisted pairs of conductive elements, wherein the at least one corrugated tape member separates and maintains spacing between twisted pairs separated by said at least one corrugated tape member; and

a dielectric jacket surrounding and enclosing the plurality of twisted pairs.

2. (Currently Amended) An electrical cable as claimed in claim 1, wherein said cable comprises four twisted pairs and the at least one corrugated tape member separates two of the twisted pairs from the remaining two twisted pairs.

3. (Currently Amended) An electrical cable as claimed in claim 1, wherein ~~said cable comprises more than one~~ the at least one corrugated tape member comprises plural corrugated tape members.

4. (Currently Amended) An electrical cable as claimed in claim 1, wherein said cable comprises, in addition to the at least one corrugated tape member, ~~and~~ at least one other means for separating and maintaining spacing between twisted pairs.

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5. (Currently Amended) An electrical cable as claimed in claim 1, wherein the at least one corrugated tape member is comprised of a flexible, dielectric material.

6. (Currently Amended) An electrical cable as claimed in claim 5, wherein the at least one corrugated tape member is comprised of one or more materials selected from the group consisting of polypropylene tape, polyamide woven glass, polyvinyl chloride, one or more polyolefins, and one or more flouropolymers.

7. (Currently Amended) An electrical cable as claimed in claim 1, wherein the at least one corrugated tape member is configured to have a width of approximately 0.12 inches to approximately 0.40 inches.

8. (Currently Amended) An electrical cable as claimed in claim 1, wherein the at least one corrugated tape member is configured to have a thickness of approximately 8 mils to approximately 12 mils.

9. (Currently Amended) An electrical cable as claimed in claim 1, wherein the at least one corrugated tape member is longitudinally corrugated along a length of the at least one corrugated tape member and said ~~longitudinally corrugated~~ at least one corrugated tape member extends along a length of the twisted pairs separated by the at least one corrugated tape member and along a length of said electrical cable.
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10. (Currently Amended) An electrical cable as claimed in claim 9, wherein the longitudinal corrugations comprise a series of ridges and grooves having a corrugation length, measured from a first ridge to a second ridge, and said corrugation length is being approximately 0.12 inches.

11. (Currently Amended) An electrical cable as claimed in claim 1, wherein the at least one corrugated tape member is corrugated across a width of the at least one corrugated tape member and, and wherein the ~~width~~ corrugated at least one corrugated tape member extends along a length of the

twisted pairs separated by the at least one corrugated tape member and along a length of said electrical cable.

12. (Currently Amended) An electrical cable as claimed in claim 11, wherein ~~the~~ corrugations across the width of the at least one corrugated tape member comprise a series of ridges and grooves having a corrugation length, measured from a first ridge to a second ridge, and said corrugation length is being approximately 0.06 inches.

13. (Currently Amended) An electrical cable as claimed in claim 1, wherein a plurality of tapes ~~tape members~~ are incorporated into said cable for separation of said twisted pairs, and wherein at least one of said plurality of tapes is the at least one a corrugated tape member.

14. (Currently Amended) An electrical cable as claimed in claim 1, wherein ~~a~~ the at least one corrugated tape member ~~separates is supplied for separating~~ at least one of said twisted pairs from a remainder of the twisted pairs, and wherein said at least one corrugated tape member is corrugated so as to have an effective thickness that exceeds an actual thickness of said at least one corrugated tape member.

15. (Currently Amended) An electrical cable as claimed in claim 14, wherein said at least one corrugated tape member provides a spacing between of said twisted pairs that equals or exceeds a spacing achieved by a flat tape member having an equivalent actual thickness of material as the at least one corrugated tape member.

16. (Currently Amended) An electrical cable as claimed in claim 1, wherein said at least one corrugated tape member comprises a fire retardant polypropylene material.

17. (Currently Amended) A tape member for incorporation in an electrical cable to separate twisted pairs of conductive elements contained therein, comprising:

a length of tape member configured to lie along a length of said twisted pairs and a length of said electrical cable; and

a plurality of corrugations configured into said tape member to form a corrugated tape member.

18. (Original) An electrical cable as claimed in claim 17, wherein the corrugated tape member is configured to have a width of approximately 0.12 inches to approximately 0.40 inches.

19. (Original) An electrical cable as claimed in claim 17, wherein the corrugated tape member is configured to have a thickness of approximately 8 mils to approximately 12 mils.

20. (Currently Amended) A tape member as claimed in claim 17, wherein said plurality of corrugations are longitudinally configured into said corrugated tape member.

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21. (Currently Amended) An electrical cable as claimed in claim 20, wherein the longitudinally configured corrugations comprise a series of ridges and grooves having a corrugation length, measured from a first ridge to a second ridge, and said corrugation length is being approximately 0.12 inches.

22. (Currently Amended) A tape member as claimed in claim 17, wherein said plurality of corrugations are configured across a width of said corrugated tape member.

23. (Currently Amended) An electrical cable as claimed in claim 22, wherein the corrugations across the width of the corrugated tape member comprise a series of ridges and grooves having a corrugation length, measured from a first ridge to a second ridge, and said corrugation length is being approximately 0.06 inches.

24. (Original) A tape member as claimed in claim 17, wherein at least one said corrugated tape member is provided within said electrical cable for separating at least one of said twisted pairs of conductive elements from adjacent twisted pairs of conductive elements, and wherein the corrugated tape member separates and maintains spacing between said twisted pairs.

25. (Original) A tape member as claimed in claim 17, wherein said corrugated tape member separates two twisted pairs from two remaining twisted pairs in a four twisted pair electrical cable.

26. (Original) A tape member as claimed in claim 20, wherein said longitudinally corrugated tape member separates at least one of said twisted pairs from a remainder of twisted pairs and said tape member is corrugated so as to have an effective thickness that exceeds an actual thickness of said tape member.

27. (Original) A tape member as claimed in claim 20, wherein said corrugated tape member provides a spacing of said twisted pairs that equals or exceeds a spacing achieved by a flat tape member having an equivalent actual thickness of material as the corrugated tape member.

28. (Original) A tape member as claimed in claim 17, wherein the corrugated tape member is comprised of a flexible, dielectric material.

29. (Original) A tape member as claimed in claim 17, wherein the corrugated tape member is comprised of one or more materials selected from the group consisting of polypropylene tape, polyamide woven glass, polyvinyl chloride, one or more polyolefins, and one or more flouropolymers.

30. (Original) A tape member as claimed in claim 17, wherein said corrugated tape member comprises a fire retardant polypropylene material.
